

## CLAIM

1. A system comprising:
  - 2 a processor configured to detect when a wireless mobile unit is in an high
  - data rate area, said processor being configured to determine a need for
  - 4 exchanging data between said wireless mobile unit and a base station; and
  - a data burst optimizer configured to exchange said data between said
  - 6 wireless mobile unit and said base station in said high data rate area.
2. The system of claim 1 wherein said processor invokes said data burst
  - 2 optimizer to exchange said data between said wireless mobile unit and said
  - base station when said wireless mobile unit is in said high data rate area.
3. The system of claim 2 wherein said data burst optimizer is configured to
  - 2 continuously detect when said wireless mobile unit is in said high data rate area.
4. The system of claim 2 wherein said data burst optimizer transmits a
  - 2 logon name and password to said base station to authenticate said wireless
  - mobile unit.
5. The system of claim 3 wherein said data burst optimizer is configured to
  - 2 stop exchanging said data between said wireless mobile unit and said base
  - station when said wireless mobile unit is not in said high data rate area.
6. A wireless communication system comprising:
  - 2 means for detecting when a wireless mobile unit is in an HDR area;

6 said base station.

11. The wireless communication system of claim 9 wherein said exchanging  
2 means stops an exchange of said data between said wireless mobile unit and

Year	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

said base station when said wireless mobile unit is not in said high data rate  
4 area.

12. A method for exchanging data between a wireless mobile unit and a base  
2 station, said method comprising steps of:

detecting when said wireless mobile unit is in an high data rate area;

4 determining a need for exchanging said data between said wireless  
mobile unit and said base station;

6 invoking a data burst optimizer to synchronize an exchange of said data  
between said wireless mobile unit and said base station; and

8 exchanging said data between said wireless mobile unit and said base  
station when said wireless mobile unit is said high data rate area.

IN ME 17-04

13. The method of claim 12 further comprising a step of:

2 transmitting a logon name and password to said base station to  
authenticate said wireless mobile unit after said invoking step and prior to said  
4 exchanging step.

14. The method of claim 12 further comprising steps of:

2 invoking an application database in said wireless mobile unit; and  
authenticating at least one application in said application database with  
4 said base station.

15. The method of claim 12 further comprising a step of:

2           pinging said base station to detect when said wireless mobile unit is in  
said high data rate area after said invoking step and prior to said exchanging  
4   step.

16. The method of claim 15 wherein said pinging step is performed by said  
2 data burst optimizer.

17. A method for exchanging data between a wireless mobile unit and a base station, said method comprising steps of:

4 detecting when said wireless mobile unit is in an high data rate area;  
determining a need to exchange data between said wireless mobile unit  
and said base station;

6           invoking a data burst optimizer to synchronize an exchange of said data  
between said wireless mobile unit and said base station;

8 transmitting a logon name and password from said wireless mobile unit  
to said base station to authenticate said wireless mobile unit; and

10            exchanging said data between said wireless mobile unit and said base  
station when said wireless mobile unit is in said high data rate area.

18. The method of claim 17 further comprising steps of:

2           invoking an application database in said wireless mobile unit after said  
transmitting step; and

4 authenticating at least one application in said application database with  
said base station prior to said exchanging step.

[illegible]

19. The method of claim 17 further comprising a step of:
- 2 pinging said base station to detect when said wireless mobile unit is in
- 4 said high data rate area after said invoking step and prior to said transmitting
- step.
20. The method of claim 19 wherein said ping step is performed by said
- 2 data burst optimizer.
21. The method of claim 17 wherein said invoking step is performed by a
- 2 processor in said wireless mobile unit.
22. A method for exchanging data between a wireless mobile unit and a base
- 2 station, said method comprising steps of:
- 4 detecting when said wireless mobile unit is in an high data rate area;
- 4 determining a need to exchange data between said wireless mobile unit
- and said base station;
- 6 invoking a data burst optimizer to synchronize an exchange of said data
- between said wireless mobile unit and said base station;
- 8 transmitting a logon name and password from said wireless mobile unit
- to said base station to authenticate said wireless mobile unit;
- 10 invoking an application database in said wireless mobile unit;
- authenticating at least one application in said application database with
- 12 said base station; and
- exchanging said data between said wireless mobile unit and said base
- 14 station when said wireless mobile unit is in said high data rate area.

2           pinging said base station to detect when said wireless mobile unit is in  
   said high data rate area after said step of invoking said data burst optimizer and  
 4   prior to said transmitting step.

2 data burst optimizer.

2 optimizer is performed by a processor in said wireless mobile unit.

2 computer program implementing a method for exchanging data between a  
wireless mobile unit and a base station, said computer program comprising:

4 a first code segment for detecting when said wireless mobile unit is in an  
high data rate area;

6            a second code segment for determining a need for exchanging said data  
between said wireless mobile unit and said base station;

8           a third code segment for invoking a data burst optimizer to synchronize  
an exchange of said data between said wireless mobile unit and said base  
0   station; and

a fourth code segment for exchanging said data between said wireless mobile unit and said base station when said wireless mobile unit is said high data rate area.

[illegible]

28. The computer readable medium of claim 27 wherein said computer  
2 program further comprises:  
a sixth code segment for invoking an application database in said  
4 wireless mobile unit; and  
a seventh code segment for authenticating at least one application in  
6 said application database with said base station.

29. The computer readable medium of claim 28 wherein said computer  
2 program further comprises:  
an eighth code segment for pinging said base station to detect when said  
4 wireless mobile unit is in said high data rate area.